



PATENT

**DECLARATION AND POWER OF ATTORNEY FOR  
UNITED STATES LETTERS PATENT APPLICATION**

As a below-named inventor, I, David S. Tuch and Van J. Wedeen hereby declare that:

My residence, post-office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: DIFFUSION MRI USING SPHERICAL SHELL SAMPLING, the specification of which was filed on January 9, 2004 and assigned Application No. 10/754,481, identified as Attorney Docket No. MGH-027AUS and Client Case No. 2183.

I hereby state that I have reviewed and understand the contents of the above-identified application specification, including the claims, as amended by any amendment specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

PATENT  
 Application No.: 10/754,481  
 Filed: January 9, 2004  
 Atty. Docket No. MGH-027AUS  
 Client Case No. 2183

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION


I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119(e)
60/438,850	January 9, 2003	<u>X</u> Yes    No _
		_ Yes    No _
		_ Yes    No _

I hereby claim the benefit under Title 35, United States Code §120, of the United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United State Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (month,day,year)	Status (Patented/Pending/Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by

PATENT  
Application No.: 10/754,481  
Filed: January 9, 2004  
Atty. Docket No. MGH-027AUS  
Client Case No. 2183

fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

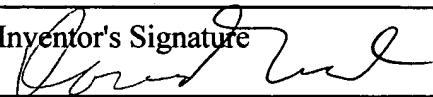
I hereby appoint:

Christopher S. Daly	Reg. No. 37,303
Judith C. Crowley	Reg. No. 35,091
Donald F. Mofford	Reg. No. 33740
Paul D. Durkee	Reg. No. 41,003
Kermit Robinson	Reg. No. 48,734

all of Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, Massachusetts 02021-2354, jointly, and each of them severally, my attorneys at law, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Please direct all telephone calls and address all correspondence to:

Christopher S. Daly  
Daly, Crowley & Mofford, LLP  
275 Turnpike Street, Suite 101  
Canton, Massachusetts 02021-2310  
Telephone no. (781) 401-9988  
Facsimile: (781) 401-9966

Full name of First Joint Inventor David S. Tuch	
Inventor's Signature 	Date 7/27/04
Residence 7 Verndale Street, Apt. 3, Brookline, MA 02446	
Country of Citizenship US	
Post Office Address (if different)	

PATENT  
Application No.: 10/754,481  
Filed: January 9, 2004  
Atty. Docket No. MGH-027AUS  
Client Case No. 2183

Full name of Second Joint Inventor Van J. Wedeen	
Inventor's Signature	Date
Residence 33 Willow Avenue, Somerville, MA 02144	
Country of Citizenship US	
Post Office Address (if different)	

Q:\mgh\027AUS\mgh-027aus DECLARATION.doc



PATENT

**DECLARATION AND POWER OF ATTORNEY FOR  
UNITED STATES LETTERS PATENT APPLICATION**

As a below-named inventor, I, David S. Tuch and Van J. Wedeen hereby declare that:

My residence, post-office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DIFFUSION MRI USING SPHERICAL SHELL SAMPLING**, the specification of which was filed on January 9, 2004 and assigned Application No. 10/754,481, identified as Attorney Docket No. MGH-027AUS and Client Case No. 2183.

I hereby state that I have reviewed and understand the contents of the above-identified application specification, including the claims, as amended by any amendment specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

PATENT  
Application No.: 10/754,481  
Filed: January 9, 2004  
Atty. Docket No. MGH-027AUS  
Client Case No. 2183

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION


I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

Application Number	Date of Filing (month, day, year)	Priority Claimed Under 35 USC 119(e)
60/438,850	January 9, 2003	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code §120, of the United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United State Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (month,day,year)	Status (Patented/Pending/Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint:

Christopher S. Daly	Reg. No. 37,303
Judith C. Crowley	Reg. No. 35,091
Donald F. Mofford	Reg. No. 33740
Paul D. Durkee	Reg. No. 41,003
Kermit Robinson	Reg. No. 48,734

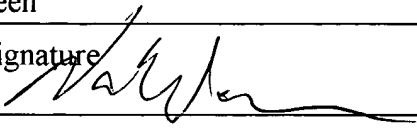
all of Daly, Crowley & Mofford, LLP, 275 Turnpike Street, Suite 101, Canton, Massachusetts 02021-2354, jointly, and each of them severally, my attorneys at law, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Please direct all telephone calls and address all correspondence to:

Christopher S. Daly  
Daly, Crowley & Mofford, LLP  
275 Turnpike Street, Suite 101  
Canton, Massachusetts 02021-2310  
Telephone no. (781) 401-9988  
Facsimile: (781) 401-9966

Full name of First Joint Inventor David S. Tuch	
Inventor's Signature	Date
Residence 7 Verndale Street, Apt. 3, Brookline, MA 02446	
Country of Citizenship US	
Post Office Address (if different)	

PATENT  
Application No.: 10/754,481  
Filed: January 9, 2004  
Atty. Docket No. MGH-027AUS  
Client Case No. 2183

Full name of Second Joint Inventor Van J. Wedeen	
Inventor's Signature 	Date 8/14/04
Residence 33 Willow Avenue, Somerville, MA 02144	
Country of Citizenship US	
Post Office Address (if different)	

Q:\mgh\027AUS\mgh-027aus DECLARATION.doc